

5 GTCACCTCCT TCTCGTCATC CTGATGGAAC AAAAGTATAC AAAAACCGAG CTCTCAGGAC 180
 ACCTTTTAAA AAATCTGGTT CCACATCATC AGTAAAAATG GAGATTGATG ATCCTGAAAT 240
 ACAAGCAGTT GAGTTTCTCA TATTTGACGA GTCAGAAAAC AAATGGTTTA AACATAATGG 300
 TCAGAATTC CATGTCCAGT TATTAAAACA GGGCTATCAA AATCAAAATG TTTTGGCCTC 360
 10 TGTAAATCCA AATGTTTCAC TGCCANAAAG AACTTGTGCA GATTCAAGCT TATCTTAGGT 420
 GGGANANAAA GGGTAGGCAA ACATATACAC CTGATCAAGA AAAGGATGAG TNTGAAGCAG 480
 CTANAAGTGA GTTTGCTANA AAAACTAAGT NNAAGTACTT CTGTANANGA NCTCCGATCT 540
 15 AAATTGACAA AAAACNCCAC TGCTGGAGCG GACAAATCCG TCAAAGTTGA AACTATCAAA 600
 AGTGGGATCC GGATGATCTT NTGCAAGTTA CANGCATACT TCCNATNGGA AAAACCGGGA 660
 20 AACCATNTTA TCCCCNGAA AAACACTNAT GGAATTGAAG AAACCAGGGA AANACTGCCC 720
 ATGAATTAAA TAAANGAACN CNCCTNCAAA CTNAGGGAA 759

(2) INFORMATION FOR SEQ ID NO: 34:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 785 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:

- (B) CLONE: U-U70

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 34:

GGCACGAGAG AGAGAGAGAG AGAGAGAGAG AGAGAGAGAG AGAGAGAGAG AGAGAGAGAG 60
 45 AGAGTAATCG ATTTAGCGTG CAAAGTACTG CAGCAGAAGC CATGGCATCC ANGGCCTCAG 120
 CNTCGGCTGC CCTCTTCCTT GCTCTCAACC TTGTCTTCTT TGCACTCACC AGTGCTTGTTG 180
 GCACCACTTG CACCCCCGCC ACTAAGCCCC CACCGAGCTC TTCCCATGGC AAATGCCCCG 240
 50 TCGACACCCT CAAGCTGGCC TCCTGCGCCA ACGTGCTCAA TGGCCTGATC NNGGTCGGCG 300
 TCGGCAAGCT CCCGAAACAG CCGTGCGAGT GCTGCNCTCT GCTCGATGGC CTCGTCGACC 360
 TCGAGGCCGC CGTGTGCCTT TGCNCTGCTA TCANGGCCNA TGTCTTGGC ATTCATCTCA 420
 55 ACCTCCCCAT CNNCTTCAGC CNTCTCCTCA ACTACTGCGG TNAGAAGGCT CCCACCGGTT 480
 TCCAGTGCCC TTGAGCTCCC CCTGCGGATC ACATCNTCGA TCCTCTTTGC CCGTGGTGAA 540
 60 TTTTNTTGAG CATTCTTTG TGTCTTACT TCCCTTTGTT TTTGGCTTTT TGATGACGAA 600
 AGTGTTGAGT GTTGATATGA AGGGCCANTG GCGCTTTCNT GTTAATGTTA CCTGTCNTTC 660
 65 CCTTTTATT TCCACNNCTT GTTGANTTTC CCTCTCGGGT TTGTAAATGA AGATCNATGC 720
 ATTCAATTNT TAATATTCTT GCTGCCTTCC AANAAAAAAT ANNANTNCCT CCNNGAANTC 780
 TTCCT 785

(2) INFORMATION FOR SEQ ID NO: 35:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 784 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
(B) CLONE: U-U16

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 35:

CGGCACGAGG AAANGACNAG CGATGGCAGC AGAATTGTCT CCCACGCTGA GCAAGAGCAT 60
CTTTGAAGGA GCCGGTGGAT CTTACTCTAC TTGGTCAGGT GCCGATCTCC CCCTTCTTAC 120
TGATGCAAAG CTCGGCGGAG GCAAGCTTGT CCTGAAACCA CTGGGCTTGG CGTTGCCTCA 180
CTATCCGAC TCATCGAAAG TCGGCTATGT TCTTGAAGGA AGAGCGGTGG TGGGGCTAAC 240
ACTCTATGGA GAGACCGAGC AGAGGATACT GCTGCTTGAG AAGGGAGATG TGGTAGCGGT 300
GGTCATGGGG AGCCTCACGT GGTGGTACAA CGAGGAGGAG GACTCCGACT TCTCCATCGC 360
CTTCTTAGGC GATACCGCGA CAGCTGTGCG ACCGGGCGAC ATCGCCTACT TCTTCTTGGC 420
AGGATCCCTA GGAGTGCTCC ATGGCTTTTC GACGGAATTC CTCANCAGGG CCTGCGGTAT 480
AAGGGATGCG GAANCTGAAG AGCTCTTCGG AAGCCAACCT GGTACTCTAA TCATCNCAC 540
GCANCAAAAG CTGCCTGGCC TCANAAGCAT CCCGAGCTTG ACNGCGAAGG GATAGTCNTN 600
AACNCTNANC GCGTTNCGGC ATATATCAAT GTNAANAGTG GTGGCTGTGC TCGTCCGTG 660
ACACTTNATG AACTGGCCGC GCTGGGAAGA TCTGTTCTCC GTCNAACTCA CCANANTCNA 720
ACCTAACCCC NTNCNCTTCC NGGGTTCTCC TTNATGCACT NTGCNCCTAT TTNTTCCCA 784
ANGC

(2) INFORMATION FOR SEQ ID NO: 36:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 817 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
(B) CLONE: U-U30

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 36:

CGGCACGAGA TATGGAGGTA TGATCGGGAG CTA CTGGGAG CTCCGCTTTG GTGAACAACA 60
CGACGGCAAG AAGGGCTATG GATTCAAGGA GTGAAGGCCA TGGTACCGCA NAGGCGGGTC 120
TTCCGGGCGT GCACCGAATT TTGCATCGGA TGAAAACCTT GGTCATCAGC ATATGGGGGC 180
TGGGTTCCAC CAAGGGAAAA GTTCGAATGC AAGTACCACT GAGTCCCATT AGAGGGACTT 240
GATCATGCAG AGGTATGATC GAAGCAGCTG GAGANTTGA CTGCTCCANA GCTCATATTC 300

GCTTAAGGGA GCCCGACAAG TCAGAGGACA AGGTCGAGTA AGCGAACGTT GCTACCCAAA 360
ATCAAGCATC AGTTANAATG GAGGTGGACT CANAGGAGTG CCACGGAAGA CATCTCTACT 420
GATTGTGAAG GAAAGGGATA CAGAGGCGAA NCGACGGATA NTANGGCCAT GGGCATGGCA 480
GCGCCATGGT ACCGCANANG CGGGACTTCC GTGCAAGTCA TTGATCCCTT GCTCTCACGG 540
AGGGANANCG CTTGGTCCTG AAAGGGGCCN AAGAAGTGA CATGCANANG CAATCTCCAA 600
TTACCGAAAC ANGGCTGAAG GGCANAAGCC NANAACTTC CTNAGAACGG TGTCAACAAT 660
TTCTCATCNA NATANCCGTA ATTAANGACT TCCGGTCATG CNANAATNCC CNACCNANGA 720
ACCAANCAGG CNTACTTGTG CTGTNCTTTG CTACCCNNTG AATNGCGCCN GGTTNATNGA 780
AAAAACGTCC TTCCCCAAGC AACCCCTCTNT CAAAAAN 817

(2) INFORMATION FOR SEQ ID NO: 37:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 837 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
(B) CLONE: U-U40

(x1) SEQUENCE DESCRIPTION: SEQ ID NO: 37:

TTTTTTTTTT TTTTTTTTGG GTATCAGGCA AAGATGGATA CTTCCAGGTT TGCTATTTAA 60
GAACCATAGT CAGTCTTATG AGGAGAGACC ATACGTAATA CAATCTTTAA GATGACAAAA 120
TCCATTCCCTA CCAATACAAT GACCAAGCGA AAGGTACAAG GATAACGGGC AAAAGACTAA 180
ATTGCAACTA TATAAAATTC TGCTGCATTG TAGTAAATTC AACTGTGACG ACACGCCACC 240
AGGATGAAGT CTATCTATAA ACCCACTTAT TGCTAGATGG ACGGTGTAAC AGAGCTAAAA 300
CAGCAAAGTA GAATAAAAGA AACTGACAAC GCTTCCGCAT GCGCTCCACA TATGGAGCCA 360
GGCGGAGGTT GGGCAATTGG AGGAAATGAC NTTTCTGACG GTGTAACATA AAANAAATTT 420
GTAACACCGT CAAGTACGAT TTCCCATCCT TCGGGTTGTG GCGTTCTGCT ACTTGGCATT 480
ACGTTAACAT CGAGTGCCGA CTTGGCAAGA CAGGACCCCA GCATCAGAAG TCAGTGTGTC 540
AACCAAGGAA GAAGGCTTGG CCCCAGGCT GGAGGCCCGT GCGTAACTGG CTGAACCCCT 600
GCACCGGAAN GGGTGAAAAA AGCACCATTC AGAACAGGTC NCCTCCGACC TCCAATTCC 660
AGTTCTTCCA CCNTGCTTTT GATCTGTGTC CACCTTTTGT TTACCTATTC CATCGAAGCN 720
TANGGATTTT TAAAAATCCC GAAGGAAAGG AANTTCNAT AATTGGTGCN CCAAANAAGG 780
AAGATGGACN GAACTGTTGT TGGTTGCTCC TGTTCCTCCT TTGCAATGGA TTGGTCG 837

(2) INFORMATION FOR SEQ ID NO: 38:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 799 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single